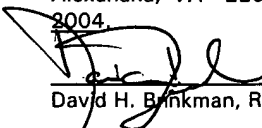


2821

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 17, 2004.


David H. Brinkman, Reg. No. 40,532

2/17/04

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Thomas et al.
Serial No.: 09/998,873
Filed: October 31, 2001
Group Art Unit: 2821
Confirmation No.: 7709
Examiner: Phan, Tho Gia
Title: **INTEGRATED ACTIVE ANTENNA FOR MULTI-CARRIER APPLICATIONS**
Our Ref No.: ANCO-25US

Cincinnati, Ohio 45202

February 17, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

In accordance with the duty of candor and good faith imposed by 37 C.F.R. §1.56 and means of complying therewith according to 37 C.F.R. §§1.97 and 1.98, the references listed on the attached Form PTO-1449 are called to the attention of the United States Patent and Trademark Office in connection with the above-identified patent application. A copy of the cited references are enclosed herewith.



Certification under C.F.R. § 1.97(e)(2)

No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement.

No representation is made that the cited art is the only art or that the cited art represents the best art.

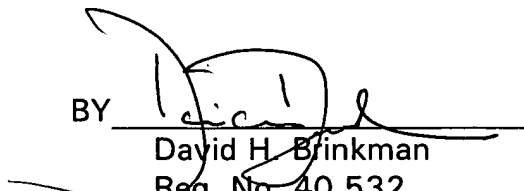
The Examiner is urged to consider all of the cited documents and to make an independent evaluation of the teachings and materiality of each.

Applicants do not believe that this response requires that any fees be submitted, however, if any fees are deemed necessary, these may be charged to Deposit Account No. 23-3000.

Respectfully submitted,

WOOD, HERRON & EVANS, L.L.P.

BY


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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
ANCO/25USSERIAL NO.
09/998,873FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Mike Thomas and Mano
D. JuddFILING DATE
October 31, 2001GROUP
2821

(Use several sheets if necessary)

(37 CFR 1.88(b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A.A						
	A.B						
	A.C						
	A.D						
	A.E						
	A.F						
	A.G						
	A.H						
	A.I						
	A.J						
	A.K						

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	A.L	GB 2 320 618 A	06/1998	Great Britain	H04Q	7/36	Yes
	A.M	WO 00/03479	01/2000	WIPO	H03F	3/21	Yes
	A.N	WO 01/06801 A1	01/2001	WIPO	H04Q	7/30	Yes
	A.O	WO 02/19470 A1	03/2002	WIPO	H01Q	23/00	Yes
	A.P	WO 02/039541 A3	05/2002	WIPO	H01Q	1/24	Yes
	A.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	A.R	Cova et al., <u>High Linearity Multicarrier RF Amplifier</u> , US. Patent Application Publication No. 2002/0008577, Publication Date January 24, 2002 (13 pages)
	A.S	
	A.T	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.